

Remarks/Arguments

In The Claims:

Claims 54–89 remain in the application as of the last Office Action.

Claim 57 has been canceled without prejudice.

Claims 54, 58, 60–63, 68–70, and 81 have been amended.

Claims 90–93 have been added.

Claims 54–56, and 58–93 are pending in the application.

Applicants assert that added claims 90–93 and amendments to claims 54, 58, 60–63, 68–70, and 81 are supported by the specification and contain no new subject matter. Furthermore, Applicants reserve the right to pursue in one or more future applications any of the subject matter canceled herein.

Rejection of Claims 54 and 58–62 under 35 U.S.C. §102(b):

Claim 54 has been amended, at least in part, to conform more closely to the subject matter of claim 63 and to recite, with more particularity, the subject matter of the invention. Specifically, the amended claim 54 recites actuation of at least one active switch. No new subject matter has been added.

The reference cited in the Office Action (Crawley et al., U.S. Patent 4,849,668) fails to teach or suggest the step of actuating an active switch. Applicants respectfully traverse, and request reconsideration of, the 35 U.S.C. §102(b) rejection of claim 54.

Claims 58 and 60–62 have been amended, at least in part to recite, with more particularity, the subject matter of the invention.

Claims 58–62 variously depend from the amended claim 54 and recite further limitations thereon. For at least the reasons given above regarding the amended claim 54, Applicants respectfully traverse, and request reconsideration of, the 35 U.S.C. §102(b) rejection of claims 58–62.

Rejection of Claims 54, 63, and 89 Under 35 U.S.C. §102(e):

Independent claims 54, 63, and 89 have been rejected under 35 U.S.C. §102(e) as being allegedly anticipated by Dujari et al. (U.S. Patent 6,486,589).

Applicants respectfully traverse, and request reconsideration of, the 35 U.S.C. §102(e) rejection of claims 54, 63, and 89 based at least in part on the 37 C.F.R. 1.131 Affidavit submitted herewith, showing possession of the claimed subject matter preceding the 3 May 2000 effective filing date of the Dujari et al. reference cited in the Office Action.

Allowance of the amended claims 54 and 63, and the previously-presented claim 89, is respectfully requested.

Rejection of Claims 55–62, 64–67, 72–73, 76, 82, and 84 Under 35 U.S.C. §102(e):

As mentioned above, claims 58 and 60–62 have been amended, at least in part to recite, with more particularity, the subject matter of the invention.

Claims 55–62 variously depend from claim 54 and recite further limitations thereon. Claims 64–67, 72–73, 76, 82, and 84 variously depend from claim 63 and recite further limitations thereon.

For at least the reasons provided above regarding patentability of the amended independent claims 54 and 63, Applicants respectfully traverse, and request reconsideration of, the 35 U.S.C. §102(e) rejection of claims 55–62, 64–67, 72–73, 76, 82, and 84. The Examiner is respectfully requested to pass the dependent claims 55–62, 64–67, 72–73, 76, 82, and 84 to allowance.

Rejection of Claims 68–71, 74–75, 77–81, 83, and 85–88 under 35 U.S.C. §103(a):

Claims 68–70 and 81 have been amended to recite, with more particularity, the subject matter of the invention and to correct informalities.

Claims 68–71, 74–75, 77–81, 83, and 85–88 variously depend from claim 63 and recite further limitations thereon. For at least the reasons provided above, and in the 37 C.F.R. 1.131 Affidavit submitted herewith, regarding patentability of the amended independent claim 63, Applicants respectfully traverse, and request reconsideration of, the 35 U.S.C. §102(e) rejection of claims 68–71, 74–75, 77–81, 83, and 85–88. The Examiner is respectfully requested to pass the dependent claims 68–71, 74–75, 77–81, 83, and 85–88 to allowance.

Claims 90–93 Have Been Added:

Claim 90 depends from the amended claim 54 and recites further limitations thereon. Claims 91–93 variously depend from the amended claim 63 and recite further limitations thereon.

In particular, claims 90–92 recite embodiments wherein one or more of the transducer, the electrical circuit, and the sensor are powered entirely by energy extracted from the mechanical disturbance. Support for these claims may be found, for example and without limitation, on p. 2, lines 5–15 as well as on p. 7, lines 23–25 of the specification.

Claim 93 recites the subject matter of the amended claim 58; whereas the amended claim 58 depends from the amended claim 54, the new claim 93 depends from the amended claim 63. Support for claim 93 can be found, for example, on p. 13, lines 16–26.

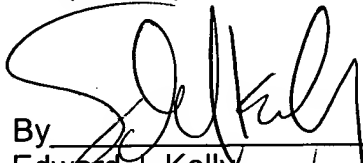
For at least the reasons stated above, Applicants submit that each of the new claims 90–93 is patentable. The Examiner is respectfully requested to pass the new claims to allowance.

Conclusion

In view of the foregoing amendments and remarks, Applicants submit that the pending claims are in condition for allowance. Early and favorable reconsideration is respectfully solicited. The Examiner may address any questions raised by this submission to the undersigned at 617-951-7000. Should an extension of time be required, Applicants hereby petition for same and request that the extension fee and any other fee required for timely consideration of this submission be charged to Deposit Account No. 18-1945.

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Respectfully submitted,



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